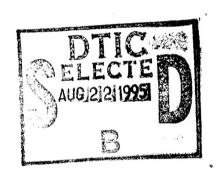
U.S. NAVY DENTAL CORPS SURVEY OF 1994: ANALYSIS OF NARRATIVE RESPONSES

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Report No. 95-9

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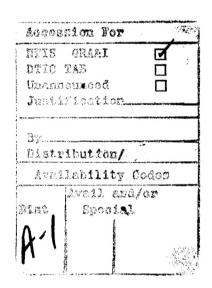


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EXECUTIVE SUMMARY

Problem

Following recent changes in the organizational structure and mission of the U.S. Navy, the Chief of the Navy Dental Corps requested a study of organizational attitudes, perceptions, and outcomes from the Naval Health Research Center. Decision-support information was needed to better evaluate existing policies, improve management practices, and facilitate long-range planning.

Objective

The purpose of the present study was to assess the attitudes and perceptions of officers within the U.S. Navy Dental Corps as a function of occupational specialty, gender, and career stage (rank).

Approach

An anonymous survey was sent to all active-duty Navy Dental Corps officers. A total of 915 officers responded to the survey. Content analysis was conducted on semi-structured narrative responses. The leading positive aspects and the leading aspects most in need of improvement in the Dental Corps were assessed.

Results

Overall, the leading positive aspects of serving in the U.S. Navy Dental Corps were: camaraderie, training opportunities, professional enrichment, opportunities for travel or particular duty assignments, military/patriotic lifestyle, and Navy-related job conditions. While there was general consistency in the ordering of leading positive aspects across the subspecialties, more periodontists and oral diagnosticians identified training opportunities, whereas more operative dentists and general dentists identified professional enrichment. Lieutenant commanders and commanders identified training opportunities more frequently than did lieutenants or captains, whereas more lieutenants and captains identified on-the-job enrichment. Men identified training opportunities as a positive aspect more frequently than did women, while women identified Navy-related job conditions more often than did men.

The leading aspects of the Dental Corps identified as needing improvement were: adequacy of pay, opportunity for promotion, quality of leadership, impact from various Navy policies, shortage of chairside Dental Corps officers, and excess of administrative/collateral-duty requirements. Oral surgeons, endodontists, and operative dentists identified pay issues more than the other subspecialties. More oral diagnosticians identified chairside staffing shortage, promotion opportunities, and, along with periodontists, administrative/collateral-duty requirements. Males identified needing to improve pay more frequently than did women. Lieutenants emphasized pay more frequently than the other ranks, while more lieutenant commanders and commanders were concerned about promotion.

Conclusions

The results of the study provided valuable information regarding the attitudes and perceptions of Dental Corps officers to the senior leadership of the Dental Corps. This study points to the importance of assessing qualitative information from the membership when defining the issues affecting complex military organizations.

U.S. NAVY DENTAL CORPS SURVEY OF 1994: ANALYSIS OF NARRATIVE RESPONSES

In complex organizations, quality leadership entails the solicitation of membership feedback for problem-solving and problem prevention. The impact from changing conditions on membership attitudes and perceptions is considered highly relevant to the continued success of the organization. To provide such organizational information to the senior leadership of the U.S. Navy Dental Corps, the Chief of the Dental Corps requested that the Naval Health Research Center (NHRC) develop and execute a study to assess organizational issues and outcomes within the Dental Corps. This study would provide specific decision-support information to evaluate existing policies, improve management practices, and facilitate long-range planning.

The inital attitudinal study^{1,2} of the U.S. Navy Dental Corps reported that lieutentants and lieutenant commanders showed the highest relative percent increase in anticipated non-retirement losses. Among lieutenant commanders, turnover intent was disproportionately high for oral/maxillofacial surgeons, periodontists, and endodontists. Moreover, satisfaction with the job, pay, and promotion opportunities were negatively associated with turnover intent. Fifty-three percent of all lieutenants and lieutenant commanders intending to separate from the Navy specified pay or lack of promotion opportunities as the primary reason. The current study includes comparisons with this earlier work.

Previous organizational research³ has suggested that the psychological climate of one's current job situation is determined by: (a) the individual's cognitively based description of the situation, (b) a psychological processing of specific perceptions into more abstract depictions of the psychologically meaningful influences in the situation, (c) situational characteristics that have relatively direct and immediate ties to individual experience, and (d) applicability across a variety of situations. More recently, it was reported⁴ that the characteristics of career stage (rank) significantly affect one's attitudes and job behavior. For example, several authors^{5,6} have noted that during midcareer periods, the importance of career involvement typically declines in response to either internal pressure (e.g., perceived lack of advancement opportunities) or external pressure (e.g., expanded family responsibilities). Additionally, it has been reported that occupational differences may also affect the psychological climate within an organization.^{7,8} That is, significant differences observed within the organization may also be a function of the range of career opportunities available to members in different occupational groups. These findings support the need for the examination of perceptions and attitudes of personnel in terms of both career stage and occupational category.

Therefore, understanding certain complexities of military organizations entails an assessment of the perceptions and attitudes of its membership. The purpose of the present study is to assess the attitudes and perceptions of officers within the U.S. Navy Dental Corps as a function of occupational specialty, career stage, and gender. The assessment in this report will be based on the narrative-response portion of the 1994 survey of U. S. Navy Dental Corps officers.

METHODS

Sample

An anonymous survey was mailed to all active-duty Dental Corps officers (N = 1,444). A total of 915 officers (63%) responded to the survey. As shown in Table 1, the majority of the respondents were Caucasian (91%) and male (89%). Twenty-four percent of the sample were active-duty reservists (designator 2205). The mean age of the respondents was 39 years, with a range from 25 to 61 years. Three fifths of the respondents were lieutenants (27%) or lieutenant commanders (33%), and two fifths were commanders (20%) or captains (20%). The distribution of the respondents by subspecialty was as follows: general dentistry (41%), comprehensive dentistry (20%), exodontics or oral/maxillofacial surgery (9%), prosthodontics (9%), periodontics (6%), endodontics (6%), oral medicine/diagnosis (2%), operative dentistry (2%), and other (5%). (The "other" category represents subspecialties with too few respondents for reliable analyses by subspecialty.) A listing of respondent primary subspecialty by education or experience level is presented in Appendix A. Approximately 57% of the sample had received a one-year program of advanced education (e.g., General Practice Residency, Advanced Clinical Program) and 42% had participated in a two-or-moreyear program (e.g., residency). As Table 1 indicates, the sample was highly representative of the population of Navy Dental Corps officers on key demographic factors.

Table 1 Demographic Summary Population N = 1,444* Survey N = 915 (63%)

Desigr	nator
Pop %	Sample %
69	76
31	24
	Pop % 69

	Age	
	Pop %	Sample %
Mean	32	39
Std Dev	7.5	7.4
Range	24 - 61	25 - 61

	Rar	nk `
	Pop %	Sample %
LT	33	27
LCDR	33	33
CDR	18	20
CAPT	15	20
RADM	<1	<1

Race Pop % Sample % White 86 91 Black 4 3 Hispanic 3 3 Asian 5 2 Other 2 1					
P	op %	Sample %			
White	86	91			
Black	4	3			
Hispanic	3	3			
Asian	5	2			
Other	2	1			

Gender						
<u>P</u>	op %	Sample %				
Men	87	89				
Women	13	11				

^{*} Population data provided by LT Todd Allen, Med-06C.

Procedure

Based on input from the leadership of the Naval Dental Command and on standardized organizational measures, a 250-item survey was constructed to assess background information, career profile, turnover intent, and perceptions and attitudes regarding a number of Dental Corps issues. To provide some direct comparability to the earlier survey conducted in 1990, items from that survey were included in the 1994 survey. To enhance both objective assessment and comprehensive coverage of Dental Corps issues, both quantitative items, using Likert-type rating scales, and qualitative items, using semistructured narrative responses, were included. The Chief of the Dental Corps reviewed the content of the final questionnaire. A copy of the questionnaire is provided in **Appendix B**.

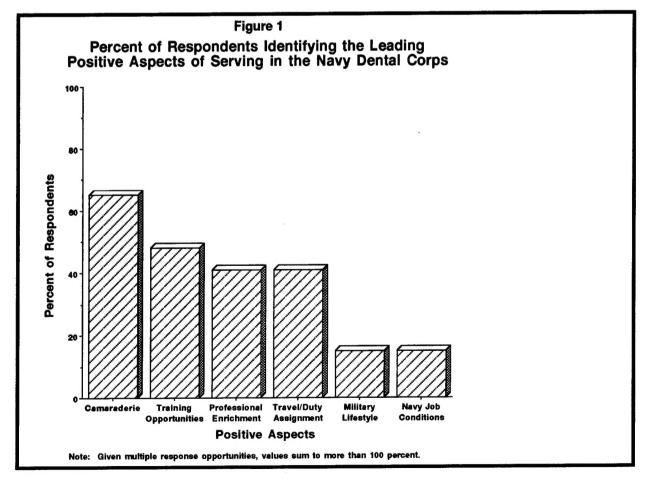
In June 1994, the anonymous survey was mailed to all active-duty Navy Dental Corps officers. Privacy Act issues were addressed in a cover letter from the Chief of the Navy Dental Corps. As the surveys were returned to NHRC, the narrative responses were segregated for content analysis. Additionally, all anonymous narrative responses were detached from the survey, photocopied, and forwarded to the Chief of the Dental Corps. The narrative responses addressed: (a) the most positive aspects of serving in the Dental Corps, and (b) the aspects of the Dental Corps most in need of improvement. These narrative items were also part of the 1990 survey. For reasons of continuity and comparability between the 1990 and 1994 survey data, the coding categories developed from content analysis of the 1990 survey were used as the starting point for the 1994 content analysis. The development of that coding scheme in 1990 involved an iterative process. In the first phase, a list of narrative responses was made from the first 600 surveys that were returned. These responses were grouped into categories on the basis of content similarity. Any subsequent responses that were not yet represented became new categories. Each category was assigned a unique numerical code. When a facet of a coded category became specified by enough respondents, it was given a new code to allow for a subsequent assessment of the proportion of comments that specified that facet. For example, many respondents identified "leadership" as an issue without providing details; many others specified a leadership facet, such as morale or performance evaluation. Hence, separate codes evolved for facets within a category as well as for new categories. As the 1994 content analyses progressed using the same process, the coding scheme remained basically unchanged. At the end of the coding process, an inter-rater reliability test was conducted between two independent coders on a 10% sample of the data. This analysis produced a significant Cohen's kappa of .81 (p < .001) and indicated that the coding process was highly reliable. Sample comments within each category are presented in **Appendix C.**

RESULTS

Perceptions and Attitudes

This section describes analyses conducted on the qualitative (narrative) responses. Qualitative responses were provided by a total of 96% (n = 877) of all survey respondents. First, response rates for the most positive aspects of Navy dentistry will be presented, including results by rank, sex, and subspecialty. Then, response rates for those aspects of Navy dentistry identified as most in need of improvement will be presented.

Positive Aspects. Narrative response opportunities allowed Dental Corps officers both to identify issues and to express their views about them. As shown in Figure 1, results of analyses of responses to the most positive aspects of serving in the Dental Corps indicated that the leading positive aspects were: (a) professional/social camaraderie (65%), (b) training/educational opportunities (48%), (c) on-the-job professional enrichment (41%), (d) opportunities for travel or particular duty assignments (41%), (e) the personal fulfillment of a military/patriotic lifestyle (15%), and (f) certain Navy-related job conditions (15%). Appreciation for camaraderie was expressed in terms of esprit de corps, supportive coworker attitudes, competent coworkers, consultation accessibility, lasting friendships, and other expressions of both professional and social support. Expressions of appreciation for training opportunities included referents to the quality of professional training, the value of officer training, access to continuing education, support in pursuing a specialty residency, and the opportunities for specific training programs. Professional enrichment expressions included concepts of variety (e.g., leadership opportunities, multiple career pathways, clinical rotation opportunities), challenge (e.g., personal growth, professional growth), and working conditions (e.g., opportunities not available to civilians, job satisfaction, job enjoyment, recreational activities). Travel opportunity appreciation encompassed the rewards of cultural exposure, operational tours, shipboard experience, overseas life, specific duty stations, and being "on the move." Military lifestyle appreciation was reflected by comments about service to the country, support of our fighting forces, pride in the



uniform, or dedication to the Navy or the Dental Corps. The Navy-related job conditions that were specified included absence of malpractice and overhead expenses, a ready patient population, freedom from payment-collection concerns, provision for sick leave and vacation time, and the opportunity for early-age retirement.

An inspection of the rank order of the response percentages of the positive aspects by military rank (**Figure 2**) indicated a general consistency across rank. Deviations involved adjacent categories except for lieutenants. Lieutenants identified both camaraderie (52%) and training opportunities (38%) less frequently than did the other military ranks, but identified professional enrichment (46%) and Navy job conditions (23%) more frequently.

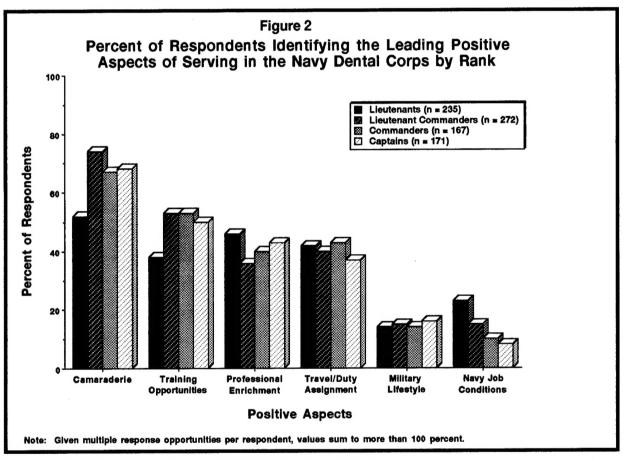


Figure 3 presents response percentages for the leading positive aspects by gender. The frequency of responses matched on camaraderie (65%). However, more men (49%) identified training opportunities as a leading positive aspect than did women (39%), and more women (22%) identified Navy-related job conditions than did men (14%). However, the four most positive aspects were the same for men and women, each more than 38% of respondents.

Table 2 presents response percentages for the leading positive aspects of serving in the Dental Corps by subspecialty. While general consistency was exhibited in the rank ordering of leading aspects across the subspecialties, more periodontists and oral diagnosticians identified training opportunities (67%) than the other subspecialties. General practitioners identified training opportunities (38%) less often while ranking

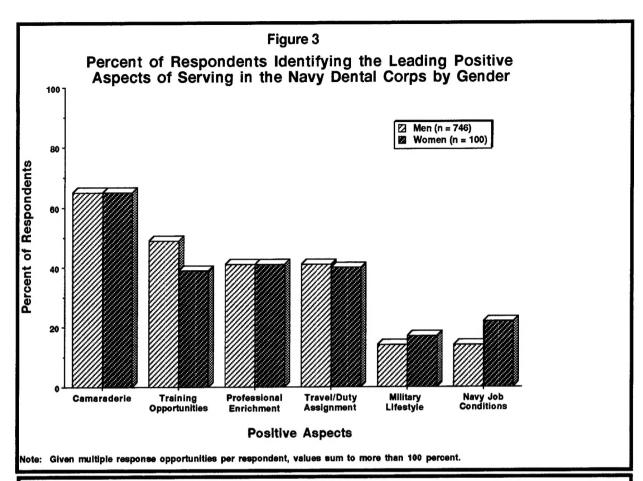


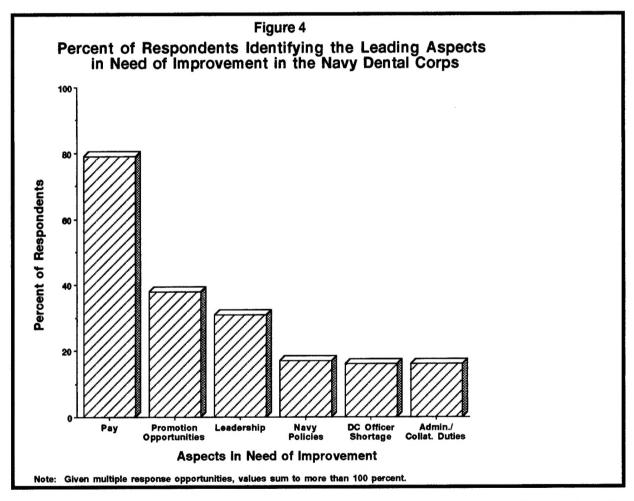
Table 2
Percent of Respondents Identifying the Leading Positive
Aspects of Serving in the Navy Dental Corps by Subspecialty

	LEADING POSITIVE ASPECTS								
SUBSPECIALTY	CAMARADERIE	TRAINING OPPORTUNITIES	TRAVEL/DUTY ASSIGNMENT	PROFESSIONAL ENRICHMENT	MILITARY LIFESTYLE	NAVY JOB CONDITIONS			
GENERAL DENTISTRY N = 630, n = 343	61	38	44	44	15	20			
COMPREHENSIVE DENTISTRY N = 265, n = 175	69 49 37		43 17		`11				
ORAL/MAXILLOFACIAL SURGERY N = 148, n = 73	73	64	40	30 12		11			
PROSTHODONTICS N = 129, n = 78	72	56	36	35	9	9			
PERIODONTICS N = 88, n = 49	69	67	45	39 6		18			
ENDODONTICS N = 86, n = 47	77	60	38	30	15	9			
ORAL MEDICINE/ DIAGNOSIS N = 21, n = 12	75	5 67 50		33 17		17			
OPERATIVE DENTISTRY N = 20, n = 13	ENTISTRY 62 62 8		8	46	8	0			
OTHER N > 72, n = 39	51	51	33	49	28	15			

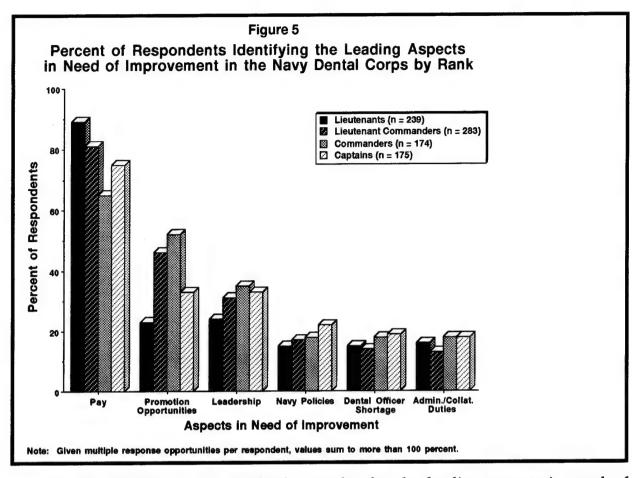
Note: Totals sum to more than 100 percent due to multiple response options.

on-the-job enrichment relatively high (2nd/3rd, at 44%). Oral diagnosticians identified travel/duty assignments the most frequently (50%), while operative dentists identified it the least (8%), creating the greatest difference (42%) between categories.

Aspects in Need of Improvement. Comments regarding the three aspects of the Navy Dental Corps judged most in need of improvement were also analyzed (Figure 4). The leading aspects of the Dental Corps identified as needing improvement were pay (e.g., inadequacies, inequities, need for debt relief; 79%), promotion (e.g., restrictions, inequities; 38%), and leadership (e.g., quality, quantity, style, structure, Total Quality Management [TQM] implementation, performance evaluations; 31%). Aspects identified less frequently included: (a) current Navy policies (e.g., regarding civilian contractors, military budget allocations, the Defense Officer Personnel Management Act [DOPMA], equal opportunity practices, Dental Corps autonomy; 17%), (b) the shortage of chairside Dental Corps officers (16%), and (c) the excess of administrative or collateral-duty requirements (16%).



Although the rank ordering of response percentages for the leading aspects in need of improvement are generally consistent across ranks, interesting differences appear to exist (**Figure 5**). Lieutenants, for example, tend to emphasize pay more often (89%) than do other ranks. This is likely related to educational debt, which, for lieutenants, is an average of \$48,999. Additionally, lieutenant commanders (46%) and commanders (52%) appear to be more concerned with lack of promotion opportunities than are lieutenants (23%) or captains (33%).



An examination of the results by gender for the leading aspects in need of improvement revealed no rank-ordering differences in the top four responses (**Figure 6**). However, fewer women identified pay (71%) than did men (80%), irrespective of marital status, as well as promotion (35% vs. 39%), and more identified leadership issues (34% vs. 30%).

Oral surgeons (88%), endodontists (85%), and operative dentists (85%) identified pay issues more frequently than the other subspecialties (**Table 3**). More oral diagnosticians identified chairside staffing shortage (ranked 3rd at 53%), promotion opportunity (60%), and, along with periodontists (22%), administrative/collateral-duty requirements (20%). Oral diagnosticians (13%) identified leadership issues less than other subspecialities.

DISCUSSION

As a means of assessing organizational issues, the qualitative item in a questionnaire has the advantages of efficiently allowing the respondent to define the issues, rather than to select from a predefined set, and to elaborate on why or how each issue affects him/her. Those advantages are, in part, offset by the limitations imposed by analysis of narrative content, which involves analyst interpretation and judgment. Though the process includes measures to minimize subjectivity (well accomplished in the present study, evidenced by the Cohen's kappa coefficient of .81), it also requires that judgments

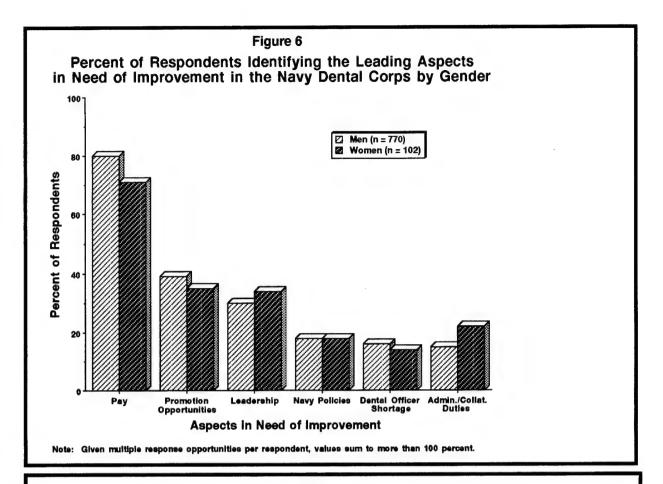


Table 3
Percent of Respondents Identifying the Leading Aspects in Need of Improvement in the Navy Dental Corps By Subspecialty

		LEADING ASPECTS IN NEED OF IMPROVEMENT								
SUBSPECIALTY	PAY	PROMOTION OPPORTUNITY	LEADERSHIP	NAVY POLICIES	DENTAL OFFICER SHORTAGE	ADMIN./ COLLAT. DUTY REQUIREMENTS				
GENERAL DENTISTRY N = 630, n = 351	83	31	28	15	15	18				
COMPREHENSIVE DENTISTRY N 265, n = 175	72	46	32	26	17	14				
ORAL/MAXILLOFACIAL SURGERY N = 148, n = 77	88	40 25 17		21	10					
PROSTHODONTICS N = 129, n = 80	75	41	31	19	14	14				
PERIODONTICS N = 88, n = 50	66	40	42	12	16	22				
ENDODONTICS N = 86, n = 52	85	5 52		10	17	13				
ORAL MEDICINE/ DIAGNOSIS N = 21, n = 15	80	60	60 13 13		53	20				
OPERATIVE DENTISTRY N = 20, n = 13	85	31	31	23 8		0				
OTHER N > 72, n = 41	73	46	37	17	15	17				

Note: Totals sum to more than 100 percent due to multiple response options.

be made about overlapping concepts (e.g., consider the overlap of the concepts included in a job-security concern elaborated on in terms of limited opportunities for promotion in the post-DOPMA Navy under circumstances of an evaluation process that is perceived to weigh administrative performance more heavily than clinical.) Thus, comprehensive coverage is gained at the expense of more objective analysis.

Nonetheless, the qualitative approach to assessing organizational issues can yield both valid and informative results. The results of this survey strongly echo the 1990 results. Once again, camaraderie, training opportunities, professional enrichment, and travel opportunities were the leading positive issues. It is clear from the replication of results that these four aspects of the Dental Corps are still available and are well appreciated by Dental Corps membership.

However, there are also some apparent differences between the results obtained in the present study and the study conducted in 1990, which had a 70% response rate. Specifically, under the leading positive issues, the percent of respondents citing the quality of delivered care decreased from 20.5% in 1990 to 11.0% in 1994. This decrease may reflect a drop in relative satisfaction and/or in relative personal importance. Other noteworthy changes occurred under the leading aspects in need of improvement. The percent of respondents indicating dissatisfaction with enlisted staffing (19.6%) and dissatisfaction with the competence of enlisted staff (14.7%) reported in 1991 decreased to 8.0% and 9.0%, respectively. This decrease in the percent of dissatisfaction would appear to be a positive change in the area of support staff. With regard to the current study, the emergence of Dental Corps officer shortage and Navy policies points to a shift in concerns that may warrent closer examination.

This study points to the value of examining organizational issues as a function of career stage and occupational specialty. In addition to considering aspects the membership finds rewarding, a rounded assessment of organizational climate also invites feedback on those aspects the membership finds problematic. Clearly, the overriding issue for Dental Corps officers continues to be pay -- the only issue targeted by a majority of the respondents in 1990 (52%) and again in 1994 (79%). Furthermore, the substantive jump in the proportion of respondents specifying pay concerns identifies it as a growing problem. The tone of the responses that elaborated on pay objections ranged from resentment over perceived inequities, especially vis-a-vis civilian counterparts or Medical Corps officers, to frustration, to anger, and to despair from feeling overwhelmed by educational-loan debt. Many comments requested increases in salaries, bonuses, professional pay, or specialty pay, or recommended an effective loan deferment program. As suggested in 1990, Dental Corps leadership, in addition to supporting the aggressive pursuit of pay concessions from Congress, could help ameliorate this problem by convincing Dental Corps members of their awareness of the hardship involved and of their resolve to alleviate it.

Also continuing to be a critical issue for Dental Corps officers is promotion opportunity. It is the second leading issue again, as identified by 39% of respondents in 1990 and 38% in 1994. Respondents expressed concern in terms of restricted promotion

opportunities, insufficient objectivity in the evaluation process, and overemphasis on nonclinical criteria. In today's Navy, failure to get promoted may engender involuntary loss of military employment. The 1990 analysis, which included narrative responses regarding the primary reasons for one's career intent, identified pay or lack of promotion opportunity as the primary reason for intent to separate from active duty for 53% of lieutenants and lieutenant commanders. That these two leading issues are so removed from the direct control of Dental Corps leadership all but forces the recourse to creative problem-solving in addressing them.

Leadership, the last of the notable leading issues for improvement, grew from a concern for 18% of 1990 respondents to 31% of 1994 respondents. More so than most, this category of response captured many overlapping concepts, some of which were deliberately segregated, namely into categories for dissatisfaction with morale, recognition/support, or career guidance. Not segregated were concepts specifying dissatisfaction with TQM implementation, with evaluation implementation, with topheavy leadership structure, and with the perceived quality or competence of leaders, especially in terms of supplying appropriate communication, posing as positive role models, delegating authority, exercising objectivity, practicing fair treatment, and promoting teamwork. All combined, 44% of the respondents targeted these leadership concepts with the following breakdown of overlapping concepts: morale, 4%; recognition/support, 14%; career guidance, 6%; TQM, 3%; performance evaluations, 11%; all others, 21%. (Note that due to multiple response opportunity, these figures are not strictly additive.) Hence, the encompassing nature of leadership contributes to its high response rate. Perhaps, the notion to weigh more heavily additional leadership training as a promotion criterion is the start of a creative solution to two of the three leading issues for Dental Corps officers.

The results of this study provide an assessment of the perceptions and attitudes of Dental Corps officers. The method allowed Dental Corps officers to define organizational issues from their viewpoint. They identified camaraderie, training opportunities, professional enrichment, and travel opportunities as particularly rewarding aspects of naval dentistry. They also identified pay, promotion, and leadership as leading concerns. Their feedback can serve as valuable information to Dental Corps leaders tackling policy evaluation, issue identification, and organizational planning. Analysis of the survey's quantitative data will be covered in a subsequent report.

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Appendix A

Respondent Primary Subspecialty By Education Level

			Д	Percent					
	Ö	S:		V:	.;	K:	missing		
	/SQQ	Significant	Master's	Formal	Fully	Board	data	Total	ᇻ
Subspecialty	DMD	Experience	Degree	Preparation	Trained	Certified	n	디	84
700 General Dentistry	37	38	∇	17	ĸ	2	40	363	41
1725 Comprehensive Dentistry	0	14	2	37	22	25	6	183	20
1750 Oral/Maxillofacial Surgery	0	18	0	21	22	39	1	8	6
1769 Prosthodontics	П	13	1	6	29	17	4	81	6
1760 Periodontics	0	īÙ	2	6	40	44	0	22	9
1710 Endodontics	0	œ	7	26	34	30	0	23	9
1745 Oral Medicine/Diagnosis	0	7	0	7	7	26	0	15	7
1740 Operative Dentistry	∞	0	∞	0	42	42	2	14	7
1795 Pediatric Dentistry	0	0	0	0	82	18	0	11	-
1735 Orthodontics	0	0	0	0	71	53	0	7	1
1720 Dental Education Programs	25	20	0	25	0	0	æ	7	-
1775 Public Health Dentistry	0	0	33	17	17	33	0	9	-
1780 Oral Pathology	0	0	0	0	40	09	0	ß	-
1730 Maxillofacial Prosthodontics	0	0	0	0	20	20	0	4	⊽
1790 Dental Science and Research	0	0	0	0	100	0	0		7
1806 Health Care Management	0	100	0	0	0	0	9	T	⊽
Tota	al:						53		001

Appendix B A Copy of the Dental Corps Survey

DENTAL CORPS SURVEY

Privacy Act Statement

1. Authority. 5 USC 301, 10 USC 1071. 2. Purpose. Medical research information will be collected to enhance basic medical knowledge or to develop tests, procedures, and equipment to improve the diagnosis, treatment, or prevention of illness, injury or performance impairment. 3. Use. Medical research information will be used for statistical analyses and reports by the Departments of the Navy, Defense, and other U.S. government agencies, provided this is compatible with the purpose for which the information was collected. Use of the information may be granted to non-Government agencies or individuals by the Chief, Bureau of Medicine and Surgery, in accordance with the provisions of the Freedom of Information Act. 4. Disclosure. I understand that all information derived from the study will be retained at the Naval Health Research Center, San Diego, and that my anonymity will be maintained. I voluntarily agree to its disclosure to agencies or individuals identified in the preceding paragraph, and I have been informed that failure to agree to such disclosure may negate the purposes of the study.

	Subspecialty Codes: (for item #2, below))
	1700 General Dentistry 1710 Endodontics 1720 Dental Education Programs 1725 Comprehensive Dentistry 1730 Maxillofacial Prosthodontics 1740 Operative Dentistry 1740 Operative Dentistry 1745 Oral Medicine/Ora 1750 Oral and Maxillofa 1760 Periodontics 1769 Prosthodontics 1775 Public Health Dentistry		
	Suffix Codes (for item #2, below; select the	letter which best applies):	
	D - Doctorate Level of Education J - Fully Trained	K - Board Certified P - Masters Level of Education	S - Significant Experience V - Formal Preparation
Dir mo	rections: The following questions corest appropriate answer or provide the in	ncern your general backgrour ndicated written response.	d. Please <u>circle the number</u> corresponding to the
1.	Rank: O		you are currently married, what is the highest evel of education of your spouse?
2.	Subspecialty Codes (Enter code nu list above for assistance): Subspecialty Suffix	mbers; refer to	N/A; not currently married High school graduate Some college
	Code Code Primary: Secondary: Tertiary:	4 5 6 7 8	Bachelor's degree Some graduate work Master's degree Post-master's work Doctorate degree
3.	What is your designator?	9	. Post-doctorate study
	1. 2200 (USN)	10. E	ducation:
	 2205 (USNR) Other; enter the number: 		ental degree (DDS/DMD): 1. Yes 2. No pecialty Certificate: 1. Yes 2. No
4.	Age:		asters-level degree (MA/MS): 1. Yes 2. No
5.	Sex: 1. Male 2. Female (circ	cie one)	h.Dlevel degree: 1. Yes 2. No
6.	Marital Status:	11.Y	ear you graduated from dental school:
	1. Single		19
	 Married Separated/Divorced Other; specify: 		nd of Active Obligated Service (if 2205) or DOPMA 2200):
7.	Race:	13 ⊢	ow long have you been on active duty as a Dental
	1. White 4. Filipino/Pacific Isla		orps officer?
	2. Black 5. Asian 3. Hispanic 6. Other:		Years + Months
8.	Number of dependent children living primary residence. (If none, enter z	eros)	re you presently serving overseas?
		2	. Yes . No
	(Ages 1-12) (Ages 13-17)	-1-	OPNAV Report Control Number 1000-19

15. Did the Navy provide financial assistance toward your basic dental education? 1. Yes 2. No 16. Have you received advanced dental education? One-year program (e.g., GPR, ACP): 1. Yes, In-service 2. Yes, civilian 3. No Two-or-more-year program (e.g., dental residency): 1. Yes, In-service 2. Yes, civilian	22. Current Duty Station (Circle the most appropriate option): 1. Annex dental clinic 2. Branch dental clinic 3. Headquarters dental clinic 4. Naval dental school staff 5. Hospital staff 6. GPR, Specialty Residence or ACP 7. Sea duty 8. FMF duty 9. Mobile construction battalion 10. Other staff duty (e.g., BUMED, NMPC) 11. Other, specify:
 3. No 17. Did the Navy provide financial assistance for your advanced dental education? One-year program (e.g., GPR, ACP): Yes No Not applicable 	23. Years served in each duty assignment during Navy career (Round to nearest year): Annex dental clinic Branch dental clinic Headquarters dental clinic Naval dental school staff Hospital staff GPR, Specialty Residence or ACP
Two-or-more-year program (e.g., dental residency): 1. Yes 2. No 3. Not applicable 18. What is your current level of debt that you owe for the cost of your education? (If none, enter "0.") 1. \$ 19. On the average, how many hours per week do you spend on each of the following? His/Wk Direct patient care Training (Dental CE, BLS and ATLS, etc.) Collateral duties (e.g., QA/RM coordinator, committees, etc.) All other organizational/professional duties (Duty, meetings, etc.) Total hours worked per week	Sea duty FMF duty Mobile construction battalion Other staff duty (e.g., BUMED, NMPC) Other, specify: 24. Current Billet (Circle the most appropriate option): 1. Assistant Dental officer 2. Dental officer 3. Director, dental services 4. Head, annex dental officer 5. Department head 6. Branch director 7. Executive Officer 8. Commanding Officer 9. Staff officer (e.g., BUMED, NMPC, HSETC) 10. Naval dental school staff 11. Other:
 Overall, your physical health is: Excellent Good Average Below average Poor 	25. Years served in each capacity during Navy career (Round to nearest year): Assistant Dental officer Dental officer Director, dental services Head, annex dental officer Department head Branch director
 21. How many people do you <u>directly</u> supervise? 1. None 2. 1 - 3 3. 4 - 6 4. 7 - 9 5. 10 or more 	Executive Officer Commanding Officer Staff officer (e.g., BUMED, NMPC, HSETC) Naval dental school staff Other: 26. Total number of years assigned overseas duty: years. (Round to nearest year.)

27. To what extent does the position you currently occupy match your level of training, experience, and ability?	How does your spouse, parent, or whoever is most important to you, feel about you being in the Navy? (Circle only one):
1. Not at all	
2. To a small extent	Wants me to get out as soon as possible.
3. To some extent	2. Thinks I should get out but says it's up to me.
4. To a great extent	Doesn't care one way or the other.
5. To a very great extent	4. Thinks I should stay in but says it's up to me.
20 Bi-to Double Company in inches	5. Thinks the Navy is a good career choice.
28. Prior to your Dental Corps commission, how much	
military experience did you have? (Circle one per	4. If given the opportunity, during the next year you
column.)	would: (circle only one)
<u>Enlisted</u> <u>Officer</u>	Definitely leave the Dental Corps.
1. None 1. None	Probably leave the Dental Corps.
2. <1 year 2. <1 year	3. Not sure about leaving or staying with the D.C.
3. 1 - 4 years 3. 1 - 4 years	4. Probably stay with the D.C. for the next year.
4. 5 - 8 years 4. 5 - 8 years	5. Definitely stay with the Dental Corps.
5. 9 or more years 5. 9 or more years	o. Definitely stay with the Bental corps.
	5. What are your plans to stay with the Navy? (Circle one.)
	1. I intend to stay until I retire.
The following seven items refer to different feelings	2. I will leave only if an excellent opportunity turns up.
individuals may have about remaining in the Navy.	3. I will leave if something better turns up elsewhere.
Please circle the number that best describes your	4. I will leave unless something better turns up here.
feelings at the present time.	I intend to leave as soon as possible.
If you stay in the Dental Corps through the next year, how likely is it that your career/professional needs	6. How likely is it that you can leave your job with the Navy and get one like it somewhere else?
will be met?	4. Not at all likely
Very likely Likely	Not at all likely Somewhat unlikely
3. Neither likely nor unlikely	
	3. As likely as not
4. Unlikely 5. Very unlikely	4. Likely 5. Very likely
J. Very drinkery	J. Very likely
If you left the Dental Corps, would you stay in your same type of work (i.e., general dentistry,	7. Do you plan to augment?
endodontics, periodontics)?	(Not applicable)
1, Definitely yes	2. Definitely yes
2. Probably yes	3. Probably yes
3. Do not know	4. Do not know
4. Probably no	5. Probably no
5. Definitely no	6. Definitely no
Use the scales provided to rate the degree with which you a	gree with the following questions.
Strongly	Strongly
Agree Agree Neut	ral Disagree Disagree
1 2 3	4 5
2. Fitness reports provide a candid assessment	promotability to promotion/selection boards and detailers. of an officer's strengths and weaknesses. against each other is an effective grade-inflation control.
4. I feel that junior officers should be ranked.	, against saon siner is an ensoure grade-initiation somest.
	information on performance that helps promotion/selection
boards and detailers assess an officer's prome	
6. Fitness reports provide an adequate description	
	sually well written and provides promotion/selection boards
and detailers with useful and accurate informa	
	adverse effects upon my selection for promotions or choice
of duty stations.	unbiased way to assess an officer's promotability and
•	
performance.	-3-

Please answer each question by circling the number that best describes how things have been going on the job for you during the prior week.

During LAST WEEK, how well were you doing at:

- · · ·		Extremely Poor	Poor	Somewhat Below Average	All Right	Somewhat Above Average	Very Well	Extremely Well
	Handling daily responsibilities and demands of your work?	1	2	3	4	5	6	7
2.	Making the right decisions?	1	2	3	4	5	6	7
3.	Performing without mistakes?	1	2	3	4	5	6	7
4.	Getting things done on time?	1	2	3	4	5	6	7
5.	Getting along with others at work?	1	2	3	4	5	6	7
6.	Avoiding arguments with others?	1	2	3	4	5	6	7
	Handling disagreements by compromising and meeting people half-way?	1	2	3	4	5	6	7

Please use the scale on the <u>left</u> to rate your **satisfaction** with each of the following aspects of the Navy Dental Corps. Use the scale on the <u>right</u> to rate the **importance** of each item in your decision to remain in the Navy or separate/retire. If you are close to retiring, how important has each been in your decision to stay in the Navy? (Circle one number per item per scale.)

Very Dissatisfied		Undecided		Very Satisfied		Not at all Important		Undecided		Very Important
1	2	3	4	5	Educational opportunities	1	2	3	4	5
1	2	3	4	5	Professional camaraderie	1	2	3	4	5
1	2	3	4	5	Travel	1	2	3	4	5
1	2	3	4	5	Job security	1	2	3	4	5
1	2	3	4	5	Retirement benefits	1	2	3	4	5
1	2	3	4	5	Military lifestyle	1	2	3	4	5
1	2	3	4	5	Pay	1	2	3	4	5
1	2	3	4	5	Healthy patient population	1	2	3	4	5
1	2	3	4	5	Medical benefits	1	2	3	4	5
1	2	3	4	5	Promotion opportunities	1	2	3	4	5
1	2	3	4	5	Personal recognition	1	2	3	4	5
1	2	3	4	5	Job challenge and variety	1	2	3	4	5
1	2	3	4	5	Family-life compatibility	1	2	3	4	5
1	2	3	4	5	Equipment and facilities	1	2	3	4	5
1	2	3	4	5	PCS moves	1	2	3	4	5
1	2	3	4	5	Professional growth	1	2	3	4	5
1	2	3	4	5	Dental technical support staff	1	2	3	4	5
1	2	3	4	5	Quality of auxiliary help	1	2	3	4	5
1	2	3	4	5	Availability of auxiliary help	1	2	3	4	5
1	2	3	4	5	Quality of laboratory support	1	2	3	4	5
1	2	3	4	5	Availability of laboratory support	1	2	3	4	5
1	2	3	4	5	Quality of administrative support	1	2	3	4	5
1	2	3	4	5	Availability of administrative support	1	2	3	4	5
1	2	3	4	5	Quality of equipment repair support	1	2	3	4	5
1	2	3	4	5	Availability of equipment repair suppo	ort 1	2	3	4	5
1	2	3	4	5	Infection control procedures	1	2	3	4	5
					-4-					

Please use the following scale to rate your agreement or disagreement with each of the following statements (circle one number for each question): Strongly Strongly Disagree Undecided Agree 1. Even after overhead expenses, I could make much more 5 money in the private sector. 2 3 2 3 5 2. I have too many collateral duties. 3. The Navy Dental Corps provides excellent training opportunities. 2 3 5 4. Navy dental residency programs are as good as or better 2 5 than civilian dental residency programs. 5. The 4-year time-in-service eligibility requirement for Navy dental residency programs is too long. 3 6. I am satisfied with the career planning guidance I have received from my assignment officer. 3 5 I am satisfied with the career planning guidance I have received from my career development officer. 2 5 8. My job interferes with my family life and responsibilities. 3 9. This command provides a very high quality of dental care. 5 2 3 5 10. I would like a greater opportunity to do research. 5 My work day is too long. 2 3 5 12. I currently perform the job I was professionally trained to do. 13. Promotion requirements in the Dental Corps are clearly understood. Junior officers in the Dental Corps receive Permanent Change of Station assignments too frequently. 1 2 3 5 15. Junior officers in the Dental Corps receive operational assignments too frequently in their careers. 5 16. All specialties in the Dental Corps receive equal and fair treatment 2 5 regarding career advancement opportunities. 17. The equipment used in Navy dentistry is adequate for providing good health care. 18. I am concerned about acquiring an infectious disease from a 2 3 5 patient (e.g., AIDS). 19. I am concerned about retaining my Navy position during downsizing. 5 20. The Dental Corps could increase retention by offering better financial incentives. 2 5 21. The Dental Corps should develop and implement an educational loan payback program for officers who augment or who remain on active duty for 20 years. 5 22. The Dental Corps should reinstate its pay credit policy for completing four years of dental school. 3 5 2 23. Navy Dental Corps specialty pay should be adjusted to match civilian pay levels for like specialties. -5Circle the number corresponding to the most appropriate answer.

1. Have you received any formal training on Total Quality Leadership (TQL)?

2. No
2. Do you feel that your command utilizes any of the principles of TQL?

3. Do you utilize any of the principles of TQL?

4. Are you satisfied that TQL will contribute positively to the Navy work environment?

1. Yes
2. No
2. No

The following issues have been suggested as major concerns to individuals as they progress through their career. Please rate each of the following issues according to the importance you attach to it at this time in your life. Circle the number which best indicates how you currently feel about the issue.

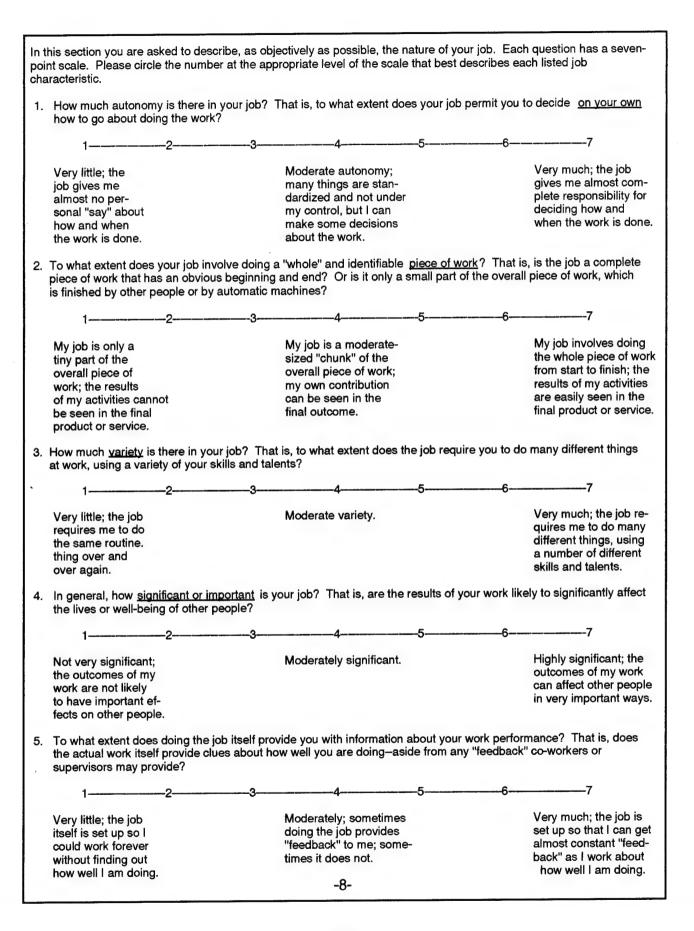
An A A

how yo	ou currently feel about the issue.	An Extremely Important Issue	An Important Issue	A Somewhat of an Issue	A Generally Important Issue	Not at all Important	
1.	Achieving financial security after retirement.	1	2	3	4	5	
2.	Obtaining education and training opportunities.	1	2	3	4	5	
3.	Having good sponsors or mentors who can guide and assist with my career.	1	2	3	4	5	
4.	Preparing for my second career after retirement.	1	2	3	4	5	
5.	Getting the billets that help me to get promoted.	1	2	3	4	5	***
6.	Getting good ratings on my fitness report.	1	2	3	4	5	
7.	Feelings of integrity.	1	2	3	4	5	
8.	Achieving my military career goals.	1	2	3	4	5	
9.	Gaining freedom from economic burdens.	1	2	3	4	5	
10.	Gaining greater closeness with family and/or friends.	1	2	3	4	5	
11.	Fulfillment of personal emotional needs.	1	2	3	4	5	
12.	Job security.	1	2	3	4	5	
13.	Adapting to growth and change in my spouse.	1	2	3	4	5	
14.	Opportunities for advancement.	1	2	3	4	5	
15.	Meeting other family needs.	1	2	3	4	5	
16.	Adapting to growth and changes in my children.	. 1	2	3	4	5	
17	Adapting to changes in society.	1	2	3	4	5	
18.	Cost of living in different areas.	Ħ	2	3	4	5	
19.	Housing.	1	2	3	4	5	
20.	Medical care.	П	2	3	4	5	
21.	Schools.	1	2	3	4	5	
22.	Churches.	1	2	3	4	5	
23.	Social/recreational opportunities.	1	2	3	4	5	
24.	Where I live.	1	2	3	4	5	

For the following items, please use the scale provided to rate the degree to which the condition is true for you in your work environment.

		Very						Very
		true	*********					false
	I feel certain about how much authority I have.	1	2	3	4	5	6	4
2.	There are clear, planned goals and objectives	4	2	2	1	5	6	7
	for my job.	'	2	ن				•
3.	I know exactly what is expected of me.	1	2	3	4	5	6	7
4.	I know I divide my time properly.	1	2	3	4	5	6	7
5.	I know what my responsibilities are.	1	2	3	4	5	6	7
6.	Explanation of what has to be done is clear.	1	2	3	4	5	6	7
7.	I receive an assignment without the manpower			***				
	to carry out an assignment.	1	2	3	4	- 5	6	
		-6-						

	mber of different aspects of Place the appropriate numb						stress y	ou feel be	cause of
No stress		tol	A fair but erable amount						treme of stress
1	2	3	4		5		6		7
How much stre	ss is caused by:								
1	Politics, rather than perform	mance, aff	ecting organiza	tiona	d decis	ions.			
2	Not clearly understanding	what is exp	pected of you o	n yo	ur job.				
3.	The lack of training and de	evelopmen	t opportunities.						
4	Receiving conflicting dema	ands from	your supervisor	r.					
5	Management not being rec	ceptive to i	nput from the e	mplo	yee.				
6	•								
7.	The quality of supervision	you receiv	e.						
8		•							
9.		thers.							
10.			abilities to their	fulles	st exte	nt.			
11.		-							
12.		•	,,						
	The lack of job security.								
	Your promotion progress.								
	The way the authority system	em is struc	stured (includin	a rea	uired r	ed tane a	nd paper	work).	
	Deadlines and/or time scho		xarca (moraum	9.09	juii cu i	ou tupo u	iiia papoi	Worky.	
	The nature of the work you								
	The hattie of the work you	<i>a</i> u 0.							
Based on the ir experience on the	nformation provided above, the job: (Circle one number	for each of r for "a" an	the two question one number	ons b for "b	elow, 1 o.")	to what e	xtent doe	s the stre	ss you
a. Bo	other or upset you?		b. In	terfe	re with	your job	performa	nce?	
1.	not at all				at all				
	to a small extent				small				
	to some extent				ome e				
	to a great extent to a very great extent				great	extent great exte	nt		
3.	to a very great extent		J .	io a	very g	great exte	111		
1. When it com	nes to making decisions abo	ut vour car	reer. to		Not	To a	То	Toa	To a very
	do you seek advice from the		people?		at	small	some	great	great
**************************************			١	√A	all	extent	extent	extent	extent
a. Ape	eer enior officer			0	1 1	2 2	3 3	4 4	5 5
	nior officer			Ö	•	2	3	4	5
d. You	r spouse			0	1	2	3	4	5
e. A cl	ose friend			0	1	2	3	4	5
	nes to making decisions abo do you <u>consider the needs</u>								
a. A pe	er :			0	1	2	3	4	5
b. A se	enior officer	******		0	1	2	3	4	5
	nior officer		************	0	1	2	3	4	5
	r spouse ose friend			0 0	1	2 2	3 3	4	5 5
	Soc (Helia		_7_	048 0000000	-,.cc 7 565555600		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	22.27.99.99.9 7 69.5565555	



Listed below are a series of statements representing possible feelings you might have about the Navy in general or your professional career choice. In the space provided, please circle the number that comes closest to describing your agreement with each of the following items.

agreement with each of the following items.	Strongly	Agras	Not	Disagras	Strongly
My chosen occupational specialty gives me a sense of well being.	Agree	Agree 2	Sure 3	Disagree 4	Disagree 5
2. I have a definite plan for my career.	1	2	3	4	5
Compared to other areas of my life, my chosen career is not very important to me.	1	2	3	4	5
If I were to describe myself to someone, I would probably begin by stating my occupational specialty.	1	2	3	4	5
I would accept almost any type of job assignment in order to stay in the Navy.	r 1	2	3	4	5
6. I am proud to tell others that I am part of the Navy.	1	2	3	4	5
I talk up the Navy to my friends as a great organization to work for.	1	2	3	4	5
8. I have a strategy for achieving my career goals.	1	2	3	4	5
9. I am sometimes dissatisfied with my choice of career field	is. 1	2	3	4	5
10. I know what I need to do to reach my career goals.	1	2	3	4	5
11. My personal career objectives are not clear.	1	2	3	4	5
12. If I were to rank (in importance to me) all the things that I those things related to my career would be at or near the	do, top. 1	2	3	4	5
13. Sometimes I wish I had chosen a different career field.	1	2	3	4	5
14. I identify strongly with my chosen occupational specialty.	1	2	3	4	5
15. I have not really decided what my career objectives shoul be yet.	ld 1	2	3	4	5
For me, the Navy is the best of all possible organizations work for.		2	3	4	5
17. I change my personal career objectives frequently.	1	2	3	4	5
18. Deciding to join the Navy was a definite mistake on my pa	art. 1	2	3	4	5
19. I find that my values and Navy values are very similar.	1	2	3	4	5
20. I get a sense of pride from my chosen occupational speci	alty. 1	2	3	4	5
21. Being able to pursue a career in management is very important to me.	1	2	3	4	5
22. Being able to do the kind of work that will contribute to advancing my profession (e.g., occupational specialty) is very important to me.	1	2	3	4	5
 It is important to me to be able to publish results of my wo in professional journals regardless of its value to the Nav Medical Department. 		2	3	4	5
24. Having a job which permits me to take on progressively more administrative responsibility is important to me.	1	2	3	4	5
25. I am extremely glad that I chose the Navy to work for ove other organizations I was considering at the time I joined.		2	3	4	5
I would like to assume a position with more managerial responsibility.	1	2	3	4	5
27. In the long run, I would rather be respected by civilian sponsors ists in my professional field than by my peers in the Navy		2	3	4	5
-9	_				

Listed below are a number of statements which could be used to describe a job. Try to be as objective as you can in deciding how accurately each statement describes your job-regardless of whether you like or dislike your job. Write a number in the blank beside each statement, based on the following scale: How accurate is the statement in describing your job? 2 Very Slightly Uncertain Slightly Mostly Verv Mostly Accurate Accurate Accurate Inaccurate Inaccurate Inaccurate 1. The job requires me to use a number of complex or high-level skills. 2. The job is arranged so that I do not have the chance to do an entire piece of work from beginning to end. 3. Just doing the work required by the job provides many chances for me to figure out how well I am doing. 4. The job is quite simple and repetitive. 5. This job is one where a lot of other people can be affected by how well the work gets done. 6. The job denies me any chance to use my personal initiative or judgment in carrying out the work. 7. The job provides me the chance to completely finish the pieces of work I begin. 8. The job itself provides very few clues about whether or not I am performing well. 9. The job gives me considerable opportunity for independence and freedom in how I do the work. 10. The job itself is not very significant or important in the broader scheme of things. Write the appropriate number in the blank beside each statement. How satisfied are you with this aspect of your job? 2 Extremely Extremely Dissatisfied Slightly Neutral Slightly Satisfied Satisfied Satisfied Dissatisfied Dissatisfied 1. The amount of job security I have. 2. The amount of pay and fringe benefits I receive. 3. The amount of personal growth and development I get in doing my job. 4. The people I talk to and work with on my job. 5. The degree of respect and fair treatment I receive from my boss. 6. The feeling of worthwhile accomplishment I get from doing my job. 7. The chance to get to know other people while on the job. 8. The amount of support and guidance I receive from my supervisor. 9. The degree to which I am fairly paid for what I contribute to the Navy. _10. The amount of independent thought and action I can exercise in my job. ___11. How secure things look for me in the future in the Navy. 12. The chance to help other people while at work. 13. The amount of challenge in my job. 14. The overall quality of the supervision I receive in my work. Use the scales listed below to describe the type of situation or environment in which you and the majority of members in your work group work. A choice toward either end of the scale indicates that word best describes your work environment, while a response toward the middle is more neutral or indicates you are not sure. Please circle the number that comes closest to describing your work environment in the Navy. UNSTABLE STABLE 5 CERTAIN UNCERTAIN 3 2 COMPLEX SIMPLE 2 CHANGING UNCHANGING 2 3 5 RAPID GROWTH **SLOW GROWTH**

-10-

Use this opportunity to communicate to the Chief, Dental Corps. Your responses are anonymous. Please be candid, legible, and concise.
Identify the three most positive aspects of serving in the Dental Corps.
1
2
3
Identify the three areas of the Dental Corps which most need improvement.
1
2
2.
3
Thank you for your participation!
Please place your questionnaire in the pre-addressed envelope and return it to:
Commanding Officer ATTN: LT Mark J. Bourne, MSC, USNR Naval Health Research Center
P.O. Box 85122 San Diego, CA, 92186-5122

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Appendix C

Sample Comments Within Category Groupings

Below are samples of respondents' comments to two survey items. Preceding each set of samples is the category heading used to summarize those and similar comments. The two survey items requested:

- a.) identification of the three most positive aspects of serving in the Dental Corps
- b.) identification of the three areas of the Dental Corps that most need improvement

The Most Positive Aspects of Serving in the Dental Corps	% of Respondents
Appreciates professional or social camaraderie Camaraderie / Social support system / The people / Lasting friendships Attitude of coworkers / Esprit de corps / Networking / Mentoring Consultation availability / Shared authority among colleagues Working with knowledgeable dental officers / Interaction with other specialties	65%
Appreciates officer training or education or residency opportunities Officer training essential / Training opportunities / Quality of training Advanced dental ed. opportunity / Dental residency program / GPR program C.E. programs / Specialty training / Orthodontic specialty residency opportunity	48%
Satisfied with enrichment/challenge/variety or working conditions Multiple career pathways / Different opportunities not available for civilians Excellent leadership/management opportunities Clinical rotations / Challenge / Sense of accomplishment Opportunity to practice dentistry / Providing dental treatment Opportunity for overall self-improvement / Personal growth Pride in job performed / Job satisfaction / Enjoy my job Enjoy the Dental Corps / Career dental officer / Good working conditions Milieu for professional growth / Professional satisfaction/development Opportunity for non-job-related activities / Sports / Recreation activities Emphasis on physical fitness	41%
Appreciates duty station or travel opportunity Operational tour / Shipboard experience / Overseas billet / Opportunity to travel New duty station / Variety of settings / Experiencing life all over the world / Cultural exposure / Flexibility in personal life to travel PCS mobility / Like moving every few years / Paid-for moving	41%
Appreciates Navy job conditions Can retire at early age / No overhead costs worry Can provide care despite inability to pay / Don't collect payments from patients No malpractice / Practicing free of business and legal burdens Security of knowing family is being taken care of Patients readily available / Large patient population / Young healthy patients Having duty officers for emergency patients Don't bring work home / Low stress level / No worries over sick or vacation time Regular hours / Time off / Regular vacation time / Leave and liberties	15%

^{*} Due to multiple response possibility, values sum to more than 100 percent.

Putting on the uniform / Military man / Service to country Combine military with dental career	
Unique career / Unique life / Unique lifestyle / Quality of life Goal- and mission-oriented / Supporting our fighting forces	
Appreciates job security Job security / Tenure	12%
Appreciates quality of care Quality of care / Quality of service / Corps emphasis on "quality" Empathy for patients / Good infection control	11%
Appreciates retirement or health benefits Working for retirement / Satisfactory retirement benefit Benefits / Health benefits	8%
Appreciates pay Steady pay / Steady income / Stability of pay scales Pay regular and predictable / Good pay in the beginning Appreciates initial student loan deferment	7%
Appreciates material support Excellent facilities / Excellent equipment	2%
Appreciates impact on family Family-life compatibility / Family stability	2%
Satisfied with leadership or TQM Excellent leadership / Compassionate immediate bosses Support given to Dental Corps by line community Superiors are very supportive of my career goals TQM is an improvement	2%
Satisfied with promotion opportunities Like the prospects	2%
Aspects of the Dental Corps That Most Need Improvement	% of Respondents*
Pay / Financial / Poor pay / Pay and compensation / Increase pay Pay program for jr. officers / Pay at lower ranks / Pay discrepancy Bonus and professional pay higher in private practice / Salaries not in line Higher specialty bonus pay needed / Low specialty pays Increase the pay and bonuses / Bonuses / Improve professional pay program Special pay lessens when member enters residency training ASP during residency (lack of adequate income) / Dental school debt overwhelmi Student loans unmanageable / Need loan deferment program	79% ng

 $^{^{\}star}$ Due to multiple response possibility, values sum to more than 100 percent.

Dissatisfied with promotion opportunities No upward mobility / Promotion opportunity restricted Not enough promotions / Promotion system / Clean up promotion Slow promotion / Decreased promotion opportunity / Revive frocking Consistency in promotion opportunity / Inequities in promotion potential Promotion opportunities and equity / Minority advancement Administration path forced on people for promotion Increase importance of clinical dentistry for promotion Civilian dentists get more credit for promotion Difficult for doctors from private practice to advance Eliminate separate agendas for training and promotion / Define promotion criteria Need input from specialty board for selection / Dissatisfied with augmentation process	38%
Dissatisfied with leadership / TQM / Evaluation process Needs better leadership and management / Stronger leadership training Most leaders are incompetent / Higher officers are inept / Leadership Incompetent branch clinic directors / TQM not working / Micromanagement Need command to enjoy dentistry / Lack of leadership / Lack of positive role models Leaders of vision needed / Lack of communicated vision by leadership Overall command organization / Need few executives / Too many chiefs per indians Give control back to branch clinics / Give control to subordinates of department heads LT and LCDR don't have enough authority / Red tape Politics / Good ol' boy relationships / Favoritism / Buddy system Abuse by senior officers / Treatment of juniors / TQM implementation Fitness reports are poor measure of individual / Evaluation system unfair Fitness reports not measuring main goal—dentistry / PRT	31%
Realistic infection control (needed) / Consistency in procedure (needed) Counting and ODR (need improvement) / CNT uniforms Reduce civilian contracts / Competence of contractors Parity with civilian hired practitioners / Better interchange with civilians Friendship in the dental teams (shore and sea) / Kill DOPMA Equal opportunity concerns / Retention and recruitment of minorities Discontinue reverse discrimination of females and minorities Dental officers should not lose credentials upon transfer Dependent overseas screening / Overseas screening process Dental care available to few dependents/retirees Service to fleet / Service to the fleet before deployment Too many large clinics vs. small / Have to work in the big clinics to be seen Differences from clinic to clinic (excessive) / Regionalization Budget restraints in the military overall / OPTARS too low Budget planning and allocation / Food allowance not good Get dental officer input for dental spaces before ship construction Need for computer education (ADP) / Increase interaction of Dental Corps and line MSC should be utilized to free dentists to treat patients Dental Corps losing autonomy / DC officers are second class to Medical Corps	17%
Objects to shortage of chairside dental officers Need retain/acquire quality dental officers / Dental officer shortage Senior personnel not chairside / Active practice by senior staff Retired officers stay in billets Retention of nonproductive personnel Release from active duty senior officers Retention inducements / Lack of specialty officers Lack of availability of specialty care / Lack of specialty officers Need peridontists / Need oral pathologists	16%

Obje	ects to administrative requirements or collateral duties	10%
	No administrative support / Too much administration / Bureaucracy in paperwork	
	Decrease paperwork / Too much paperwork / Reduce reporting requirements	
	Decrease paperwork and accounting procedures / DIRS	
	Dentists aren't chairside enough due to too much admin.	
	Too many collateral duties	
Diss	atisfied with recognition or support	14%
	Overworking staff / Lack of communication / Lack of contact	
	Need for officers to voice opinions without fear of retribution	
	Constant looking over the shoulder	
	Constant worry to accept every task/duty	
	Dental officers treated as children / Disrespect for subordinates	
	Disregard for personal wishes / Not open to suggestions/new ideas	
	Need open and honest input / Teamwork not encouraged	
	Recognition / Personal recognition / Limited positive feedback	
Dia.	atisfied with duty station or detailing process	10%
D188	Duty stations in less desirable places / Unable to get duty station	10,0
	Transfers / Assignments / Location of assignment	
	Personnel assignments / Equality of PCS / Detailing process	
	New commissioned dental officers get operational billets	
	More operational billets / Needs more overseas billets	
	Hate sea duty / Sea duty objection / Overseas objection	
	Mandatory overseas time / All should serve at sea	
	Tours should be longer / No homesteading	
Dian	tiefestion with officer training/residency programs/opportunities	10%
D188	atisfaction with officer training/residency programs/opportunities Increase training / Training not available / Selection for training	10/0
	Educational opportunity / Professional training opportunity	
	Continuing education / Increase professional seminars	
	Increase specialty training programs / Training/education for specialists inadequate	
	More liberal training in orthodontic and postorthodontic	
	Additional training for overseas slots / Emphasis on training	
	Training of junior dental officers to be naval officers	
	Reward for residency training / Eliminate advanced clinical dentistry program	
	ACP programs / Less C.M.E. programs / Overhaul training programs	
	Trained people-clinical, not administrative / Inadequate competence of dental officers	
	Too long to get education / Shorter time for training	
	Funding for education / Not enough TAD funding for continuing education	
Ohie	cts to limited enrichment/opportunity/challenge/variety	10%
Obje	Need administrative career path / Career progression / More rotations	,,,
	Being restricted to operative dentistry / Want to practice complete dental science	
	Waste time on things not directed to professional development	
	Loss of goal (to provide dentistry) / Loss of professional ethics	
	Job challenge and diversity (needed) / Tired of patient care	
	More variety/stimulation wanted / Variety of job opportunity	
	Other job opportunities not readily available / Need better opportunity	
	Tour not professionally rewarding / Not fun / Decrease pressure for more productivity	
	Time for research (needed) / Time to teach (needed) / More time for fitness (needed)	
	Lack of opportunities for minorities / Limited opportunities of career paths for women	
	Operational opportunity for women / Junior lieutenants duty needs greater variety	
	In officers need to develop skills / Participation in professional program as junior officer	2

Objects to dental or Dental Corps practices Need to provide sedation / Prevention of caries vs. treatment Dental Corps bias against oral surgeons / Specialists should do difficult cases Dental health care more responsible to operational needs Better coordinated fleet liaison programs No direct control over DT, supplies, patient flow / Need own supplies, DOR, DT, etc. Inefficient dental delivery system / Efficiency in clinical treatment Rethink blue-green shift / Credentialing program Dental readiness figures are inaccurate and misleading Screen MSC officers to serve as DTFs	10%
Dissatisfied with competence of enlisted staff Need better-trained dental technicians / Quality of dental technicians Enlisted A, C, and prosthetic C school (needs improvement) Expand training opportunities for DT Dental technical support staff / Technician support / Better lab support Need to be able to handle their own / Need quality personnel Lack of motivation in enlisted / Poor attitude of enlisted personnel Lack of incentives for enlisted / Enlisted promotion and pay raise	9%
Dissatisfied with enlisted staffing Number of dental technicians / Need retention of DTs Better allocation of DTs / DT utilization / Expand ancillary functions Clerical staff lacking and DTs are filling in / Lack of admin. support Enlisted staffing insufficient / Auxiliary support insufficient	8%
Dissatisfied with material support Supply access / Supplies problems / Supply system / Needs to be quicker Supplies not evenly distributed from command to command Equipment problems / Required to do more with less Resource utilization / Updating stock tables / Bad facilities / Newer facilities	7%
Dissatisfied with career guidance Uncertainty of career plan / Quality of guidance to junior dental officers Idea that there is one career pattern that fits all / Defined career paths for all Mentoring	6%
Dissatisfied with job security No tenure / No job security / Job security for junior officers Lack of job security due to DOPMA / DOPMA scares Need more alternatives to a 20-year career	5%
Dissatisfied with morale Morale / Low morale among junior officers Loss of team effort / Lack of dedication and view of big picture Need change of attitude of Navy dentists / Backstabbing / Too much competitiveness Specialize-or-perish mentality / No benefit to working hard—get more to do	4%
Dissatisfied with impact on family Improve family life / No stable family life / Stability / Family separation	3%
Dissatisfied with administrative vs. clinical emphasis Support the clinical dentist / Support of clinicians by administrators Lack of appreciation of clinical skills / Recognition for clinical - not administrative	2%

Dissatisfied with retirement or health benefits	2%
Poor retirement benefits / Erosion of benefits	
Poor family medical care / Poor quality of health care	
Put oral surgeon on carrier and give wartime benefits	
Dissatisfied with moving / PSD support	1%
PCS orders / Orders / Moves	
Treatment of people while moving / PSD support poor	
Moving costs / Moves cause financial hardships	
Dissatisfied with quality of care	1%
Need to treat patients, not numbers / Patient treatment	
Increase after-hour emergency patient visits	
Dissatisfied with military lifestyle	1%
Don't know if military is for me / Lifestyle	
Improve base housing / Poor housing conditions	
Poor childcare available	
Objects to Quality Assurance restrictions	< 1%
(QA) Paperwork drills / QA system / Corps too obsessed with QA	

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Following recent changes in the organizational structure and mission of the U.S. Navy, the Chief of the Navy Dental Corps requested a study of organizational attitudes, perceptions, and outcomes. An anonymous survey was sent to all active—duty Navy Dental Corps officers. A total of 915 officers responded to the survey. Content analysis was conducted on the narrative responses to the items asking for the most positive aspects of serving in the Dental Corps and the aspects most in need of improvement. Results indicated that the leading positive aspects of Navy dentistry were: professional/social camaraderie, training/educational opportunities, on—the—job professional enrichment, opportunities for travel or particular duty assignments, military/patriotic lifestyle, and Navy—related job conditions. The leading aspects of Navy dentistry identified most often as in need of improvement were: pay, promotion, leadership, Navy policies, shortage of chairside Dental Corps officers, and administrative or collateral duty requirements. Results were assessed as a function of occupational specialty, gender, and career stage (rank). This study points to the importance of assessing qualitative information from the membership when defining the issues affecting complex military organizations.		
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